

DOUBLE DEGREE | Academic Year 2023/2024

SEMESTER 1			SEMESTER 2		
	SKS	ECTS		SKS	ECTS
English 1	2	3	English 2	2	3
Algorithms & Object-Oriented Programming	4	6	Data Structures & Algorithms	3	4
Data Science Programming Language	2	3	Server-side Web Programming	4	6
Relational Database Design & Lab	3	4	Web Development Life Cycle Project	2	3
Discrete Mathematics	2	3	Introduction to Entrepreneurship	2	3
Web Design Fundamental	2	3	Ethics & Religious Philosophy	2	3
Analytical & Creative Thinking	3	4	Linear Algebra for Data Science	2	3
Statistics for Data Science	2	3	Probability for Data Science	2	3
Linux Fundamental & Computer Network	2	3	System Admin & Maintenance	2	3
Total Mandatory	22	32	Total Mandatory	21	31
Extracurricular Courses			Extracurricular Courses		
German Language and Culture 1	2	0	German Language and Culture 2	2	0
TOTAL	24	32	TOTAL	23	31

SEMESTER 3			SEMESTER 4		
	SKS	ECTS		SKS	ECTS
English 3	2	3	English 4	2	3
Client-side Front-End Web Development	2	3	Back-End Web Development & tools	3	4
Personal & Professional Development	4	6	Framework-based Web Programming	3	4
Non-Relational Database Design & Lab	3	4	Pancasila & Civic	3	4
Advanced Object-Oriented Programming	3	4	Network Security & Lab	3	4
Computer Security & Lab	3	4	Mobile Web Service & API (Middleware)	2	4
UI/UX Design & Evaluation	2	3	Digital Marketing for Entrepreneurship	4	6
Back-end System Administration	3	4	Applied Data Analytics for Business	2	3
Total Mandatory	22	31	Total Mandatory	22	32
Extracurricular Courses			Extracurricular Courses		
German Language and Culture 3	2	0	German Language and Culture 4	2	0
TOTAL	24	31	TOTAL	24	32

SEMESTER 5		SKS	ECTS	SEMESTER 6		SKS	ECTS
Internship 1	2	10	Internship 2	6	20		
Indonesian Language	2	3					
Business Creation	3	4	JOINT DEGREE SUBJECTS				
Cross-Platform Mobile App Development	2	3	ERP and Lab	2	3		
Business Intelligence & Data Visualization	2	3	Current Developments in Business IT	1	2		
Cross Study Program or Faculty Elective Course	2	3	Challenges in Int. Management (Globalization and CSR)	1	2		
TOTAL		13	26	SINGLE DEGREE SUBJECTS		4	7
				Cross Study Program or Faculty Elective Course	4	7	
				TOTAL	10	27	

SEMESTER 7		SKS	ECTS	SEMESTER 8		SKS	ECTS
English 5	2	3	Thesis	6	20		
Research Methodology	2	3	Professional Competence Assessment (PCA)	3	4		
Business Development	3	4	Character and Professional Development Program (CPDP)	2	3		
Business Coaching II	4	6	Cross Study Program or Faculty Elective Course	2	3		
Full-stack Data Analytics Project in Business	2	3					
Data Mining	3	4					
Native Mobile App Development	3	5					
Secure Software Development Life Cycle	2	3					
TOTAL		21	31	TOTAL		13	30

Total Compulsory : 144 SKS

Total ECTS : 240 ECTS

SKS : Satuan Kredit Semester

ECTS : European Credit Transfer System

SWISS GERMAN UNIVERSITY

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